

IN THE CLAIMS:

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

1. (Currently Amended) A Method method of communicating between communication stations adapted to communicate with each other when at least one of said the communication stations supplies a synchronisation signal, said the station then functioning in base station mode and the stations not supplying a synchronisation signal but synchronising on a synchronisation signal sent by a station functioning in base station mode then functioning in mobile station mode,

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[[-]] wherein the method includes a request operation during which a first base station transmits, to a mobile station, a request for the storage in memory and transmission, by said the mobile station, of a message to a communication station for which the message is intended and which is not synchronised with said the first base station.

2. (Currently Amended) The Communication method according to Claim 1, further including a response operation during which said the mobile station transmits, to said the first base station, a message accepting or refusing transmission of said the message to the message destination station.

3. (Currently Amended) The Communication method according to Claim 2, wherein, when said the mobile station transmits an acceptance message to the first

base station, it next performs a detachment operation, during which said the mobile station desynchronises from the first base station.

4. (Currently Amended) The Communication method according to Claim 3, wherein, following said the detachment operation, said the mobile station performs an attachment operation during which it synchronises with a second base station, without the two base stations synchronising with each other.

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5. (Currently Amended) The Communication method according to Claim 4, wherein, following said the attachment operation, the mobile station performs a second transmission operation, during which said the mobile station transmits said the message to the message destination station.

6. (Currently Amended) The Communication method according to Claim 1, wherein, as a preliminary to said the request operation, the first base station performs an operation of selecting, from a location table, the mobile station which is the destination of the request to store in memory and to transmit.

7. (Currently Amended) The Communication method according to Claim 2, wherein, if during the response operation the mobile station transmits to the first base station a message refusing transmission of said the message, the base station performs a new operation of selecting, from a location table, a mobile station which is the destination of the request to store in memory and to transmit.

8. (Currently Amended) The Communication method according to
Claim 6, wherein, as a preliminary to the selection operation, the first base station performs an operation of determining synchronisation or not of the message destination station with the first base station and, only when the message destination station is not synchronised with the first base station, an operation of selecting a mobile station which is the destination of the request to store in memory.

9. (Currently Amended) The Communication method according to
Claim 8, wherein, during the operation of determining the synchronisation or not of the message destination station with the first base station, the base station performs an operation of reading, in a location table, the operating mode of the message destination station, and

[[-]] when the message destination station is functioning in base station mode, it is determined that the message destination station is not synchronised with the first base station, and

[[-]] when the message destination station is functioning in mobile station mode, during said the reading operation, the base station performs an operation of reading the identity of a base station with which the message destination station is synchronised and, when the base station with which the message destination station is synchronised is not the first base station, it is determined that the message destination station is not synchronised with the first base station.

10. (Currently Amended) The Communication method according to
Claim 1, wherein, during the request operation, the first base station transmits, to the

mobile station, the content of the message to be transmitted to the message destination station.

11. (Currently Amended) The Communication method according to Claim 1, wherein, during the request operation, the first base station transmits, to the mobile station, an identifier for the message destination station.

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12. (Currently Amended) The Communication method according to Claim 1, wherein, during the request operation, the first base station transmits, to the mobile station, an identifier for the first base station.

13. (Currently Amended) The Communication method according to Claim 1, wherein, during the request operation, the first base station transmits, to the mobile station, an identifier for a source station which supplies, to the first base station, the message to be transmitted to the message destination station.

14. (Currently Amended) A Method method of communicating between communication stations adapted to communicate with each other when at least one of said the communication stations supplies a synchronisation signal, said the station then functioning in base station mode and the stations not supplying a synchronisation signal but synchronising on a synchronisation signal sent by a station functioning in base station mode then functioning in mobile station mode, wherein the method includes:

[[-]] a first operation of receiving a message, during which a mobile station synchronised with a first base station receives a message coming from said the first base station,

[[-]] an operation of detachment and attachment, during which said the mobile station synchronises with a second base station, without the two base stations synchronising with each other, and

[[-]] a second transmission operation, during which said the mobile station transmits said the message to said the second base station.

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15. (Currently Amended) The Communication method according to Claim 14, wherein, following the message reception operation and as a preliminary to the detachment and attachment operation, the mobile station performs an availability test during which it determines whether a communication would be interfered with by the detachment and attachment operation and, if during the availability test it is determined that no communication would be interfered with by a detachment and attachment operation, said the detachment and attachment operation is performed.

16. (Currently Amended) The Communication method according to Claim 15, wherein, during the availability test, the mobile station determines whether or not it is participating in a current communication and, if it is participating in a current communication, it is determined that a communication would be interfered with by a detachment and attachment operation.

17. (Currently Amended) The Communication method according to
Claim 14, wherein, following the message reception operation and as a preliminary to the
detachment and attachment operation, the mobile station performs an availability test
during which it determines whether or not a quantity of energy available to it is greater than
a predetermined quantity and, if during the availability test it is determined that the
quantity of energy is greater than said the predetermined quantity, said the detachment and
attachment operation is performed.

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18. (Currently Amended) The Communication method according to
Claim 14, wherein, as a preliminary to said the detachment and attachment operation, the
mobile station performs a response operation during which said the mobile station
transmits, to said the first base station, a message accepting transmission of said the
message.

19. (Currently Amended) The Communication method according to any
one of Claims 1 and 14, wherein said the message represents traffic between the mobile
stations synchronised on the first base station and the first base station.

20. (Currently Amended) The Communication method according to
Claim 19, wherein the message destination station is the second base station, and the
second base station performs, on receipt of said the message, an operation of determining
the total traffic during which it determines whether or not the sum:

[[-]] of the traffic between the mobile stations synchronised on the
first base station and the first base station, on the one hand, and

[[-]] the traffic between the mobile stations synchronised on the second base station and the second base station, on the other hand,
is less than a predetermined value.

21. (Currently Amended) The Communication method according to
Claim 20, wherein when, during the total traffic determination operation, it is determined
that the sum:

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[[-]] of the traffic between the mobile stations synchronised on the first base station and the first base station, on the one hand, and
[[-]] the traffic between the mobile stations synchronised on the second base station and the second base station, on the other hand,

is less than said the predetermined value, one of the base stations performs an operation of switching into mobile station mode and synchronises on the other base station.

22. (Currently Amended) The Communication method according to
Claim 19, wherein the message destination station is the second base station, and on reception of said the message, the second base station performs a first operation of determining the distribution of traffic between the two base stations during which the second mobile station determines whether or not:

[[-]] on the one hand, the traffic between the mobile stations synchronised on the first base station and the first base station is less than a predetermined value, and

[[-]]] on the other hand, the traffic between the mobile stations synchronised on the second base station and the second base station is greater than a predetermined value.

23. (Currently Amended) The Communication method according to Claim 22, wherein when, during the first traffic distribution determination operation, it is determined that:

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[[-]]] the traffic between the mobile stations synchronised on the first base station and the first base station is less than a predetermined value, on the one hand, and

[[-]]] the traffic between the mobile stations synchronised on the second base station and the second base station is greater than a predetermined value, on the other hand,

the second base station performs an operation of seeking a communication to be transferred during which the second mobile station determines whether at least one of the communications between mobile stations which are synchronised with the second base station can be transferred to the first base station.

24. (Currently Amended) Device A device for communication between communication stations adapted to communicate with each other when at least one of said communication stations supplies a synchronisation signal, said station then functioning in base station mode and the stations not supplying a synchronisation signal but synchronising on a synchronisation signal transmitted by a station functioning in base station mode then functioning in mobile station mode,

wherein the device comprises, in a first base station, request means adapted to transmit, to a mobile station, a request for the storage in memory and transmission, by said mobile station, of a message, to a message destination communication station which is not synchronised with said first base station.

25. (Currently Amended) The Communication device according to Claim 24, further comprising, in the first base station:

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[[-]] a memory containing a location table representing communication stations, and
[[-]] a selection means, adapted to select, from said location table, the mobile station which is the destination of the request to store in memory and to transmit.

26. (Currently Amended) The Communication device according to Claim 25, wherein, when a selected mobile station transmits to the first base station a message refusing transmission of the said message, the selection means is adapted to select, from said location table, a new mobile station which is the destination of the request to store in memory and to transmit.

27. (Currently Amended) The Communication device according to Claim 25, further comprising means for determining the synchronisation or not of the message destination station with the first base station, and only when the message destination is not synchronised with the first base station, the selection means effects a

selection, from said location table, of a mobile station which is the destination of the request to store in memory.

28. (Currently Amended) The Communication device according to Claim 27, wherein:

A) the location table contains, at least for each mobile station, information representing the identity of a base station with which the mobile station is synchronised, and

B) the synchronisation determination means is adapted to read, from the location table, the operating mode of the message destination station, and:

[[-]] when the message destination station is functioning in base station mode, to determine that the message destination station is not synchronised with the first base station, and

[[-]] when the message destination station is functioning in mobile station mode, the synchronisation determination means is adapted to read, from said location table, the identity of a base station with which the message destination station is synchronised and, when the base station with which the message destination station is synchronised is not the first base station, it is determined that the message destination station is not synchronised with the first base station.

29. (Currently Amended) The Communication device according to Claim 24, wherein the request means is adapted to transmit, with said request, to the mobile station, the content of the message to be transmitted to the message destination station.

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30. (Currently Amended) The Communication device according to
Claim 24, wherein the request means is adapted to transmit, with said request, to the
mobile station, an identifier for the message destination station.

31. (Currently Amended) The Communication device according to
Claim 24, wherein the request means is adapted to transmit, with said request, to the
mobile station, an identifier for the first base station.

32. (Currently Amended) The Communication device according to
Claim 24, wherein the request means is adapted to transmit, with said request, to the
mobile station, an identifier for a source station which supplies, to the first base station, the
message to be transmitted to the message destination station.

33. (Currently Amended) Device A device for communication between
communication stations adapted to communicate with each other when at least one of said
communication stations supplies a synchronisation signal, said station then functioning in
mobile station mode and the stations not supplying a synchronisation signal but
synchronising on a synchronisation signal transmitted by a station functioning in base
station mode then functioning in mobile station mode, the device comprising:

[-] in a mobile station synchronised with a first base station, first
means of receiving a message, adapted to receive a message coming from said base station,
[-] detachment and attachment means adapted to synchronise said
mobile station with a second base station, without the two base stations synchronising with
each other,

said transmission means also being adapted to transmit the message to said second base station when said mobile station is synchronised with said second base station.

34. (Currently Amended) The Communication device according to Claim 33, wherein the transmission means is also adapted to transmit, to said first base station, a message accepting or refusing transmission of said message to the message destination station.

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35. (Currently Amended) The Communication device according to any one of Claims 24 and 33, wherein said transmission means is adapted so that said message represents traffic between the mobile stations synchronised on the first base station and the first base station.

36. (Currently Amended) Network A network, characterized in that wherein it has at least two devices according to any one of Claims 24 and 33.

37. (Currently Amended) Telephone A telephone, characterized in that wherein it has a device according to any one of Claims 24 and 33.

38. (Currently Amended) Photographic A photographic apparatus, characterized in that wherein it has a device according to Claims 24 and 33.

39. (Currently Amended) Printer A printer, characterized in that
wherein it has a device according to any one of Claims 24 and 33.

40. (Currently Amended) Scanner A scanner, characterized in that
wherein it has a device according to any one of Claims 24 and 33.

41. (Currently Amended) Camera A camera, characterized in that
wherein it has a device according to any one of Claims 24 and 33.

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42. (Currently Amended) Computer A computer, characterized in that
wherein it has a device according to any one of Claims 24 and 33.

43. (Currently Amended) Faxsimile A facsimile machine, characterized
in that wherein it has a device according to any one of Claims 24 and 33.

44. (Currently Amended) Television A television receiver,
characterized in that wherein it has a device according to any one of Claims 24 and 33.

45. (Currently Amended) Audio/video An audio/video player,
characterized in that wherein it has a device according to any one of Claims 24 and 33.

46. (Currently Amended) An information storage means which can be
read by a computer or a microprocessor storing instructions of a computer program,

~~characterized in that wherein~~ it makes it possible to implement a communication method according to any one of Claims 1 and 14.

47. (Currently Amended) An information storage means which is removable, partially or totally, and which can be read by a computer or a microprocessor storing instructions of a computer program, ~~characterized in that wherein~~ it makes it possible to implement a communication method according to any one of Claims 1 and 14.

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48. (Currently Amended) A computer program product, ~~characterized in that wherein~~ it comprises software code portions for implementing a communication method according to any one of Claims 1 and 14.

49.-108. (Canceled)
